WHAT IS CLAIMED IS:

1.   A control method for a data communication
apparatus capable of receiving binary image data having
a first resolution and a second resolution lower than
the first resolution, and color image data having the
second resolution, comprising:

the first notification step of notifying a
partner apparatus of an image data reception function
having the first resolution and a color image data
reception function as maximum receiving capacity;

the determination step of determining whether the
partner apparatus instructs transmission of color image
data at the first resolution on the basis of the
notification in the first notification step; and

the second notification step of notifying the
partner apparatus of an image data reception function
having the second resolution and the color image data
reception function as receiving capacity when
transmission of color image data at the first
resolution is determined in the determination step to
be instructed.

2.   The method according to claim 1, further
comprising:

the history holding step of holding an execution
history of the second notification step for each of a
plurality of communication partners including the

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partner apparatus; and

the control step of controlling which of the
first and second notification steps is executed on the
basis of the execution history at start of
communication with the partner apparatus.

3.   The method according to claim 2, wherein the
control step comprises executing the second
notification step at start of communication with the
partner apparatus when the second notification step has
been executed for the partner apparatus successively a
plurality of number of times.

4.   A data communication apparatus capable of
receiving binary image data having a first resolution
and a second resolution lower than the first resolution,
and color image data having the second resolution,
comprising:

notification means for notifying a partner
apparatus of receiving capacity of said apparatus; and

reception means for receiving data transmitted
from the partner apparatus,

wherein said notification means notifies the
partner apparatus of an image data reception function
having the first resolution and a color image data
reception function as maximum receiving capacity at
start of communication with the partner apparatus, and
when the partner apparatus instructs transmission of

color image data at the first resolution, notifies the
partner apparatus of an image data reception function
having the second resolution and the color image data
reception function as receiving capacity.

5.   The apparatus according to claim 4, wherein
said apparatus further comprises history holding
means for holding a history of sending a second
condition by said notifying means for each of a
plurality of communication partners including the
partner apparatus, and

said notification means determines which of first
and second receiving capacities the partner apparatus
is to be notified of, on the basis of the execution
history at start of communication with the partner
apparatus.

6.   The apparatus according to claim 5, wherein said
notification means sends the second condition at start
of communication with the partner apparatus when the
partner apparatus has been notified of the second
condition successively a plurality of number of times.

7.   A control method for a data communication
apparatus capable of receiving binary image data which
satisfies a first condition, and multilevel image data
which satisfies a second condition different from the
first condition, comprising:

the notification step of notifying a partner

apparatus of the first and/or second condition as receivable data information; and

the reception step of receiving image data transmitted from the partner apparatus on the basis of the notification in the notification step.

8.   The method according to claim 7, wherein

the multilevel image data includes color image data, and

the notification step further comprises notifying the partner apparatus that color image data can be received.

9.   The method according to claim 7, wherein the notification step comprises:

the first notification step of notifying the partner apparatus of the first condition as receivable data information;

the determination step of determining whether the multilevel image data satisfies the second condition when the partner apparatus instructs transmission of multilevel image data on the basis of the notification in the first notification step; and

the second notification step of notifying the partner apparatus of the second condition as receivable data information when the multilevel image data is determined in the determination step not to satisfy the second condition.

10. The method according to claim 9, wherein the determination step comprises determining whether the multilevel image data satisfies the second condition when the multilevel image data is data based on the first condition.

11. The method according to claim 7, wherein
the first condition sets a maximum resolution of the binary image data as a first resolution, and
the second condition sets a maximum resolution of the multilevel image data as a second resolution lower than the first resolution.

12. The method according to claim 7, wherein
the first condition sets a resolution of the binary image data as either of first and second resolutions, and
the second condition sets a resolution of the multilevel image data as the second resolution.

13. The method according to claim 7, wherein
the first condition sets a maximum size of the binary image data as a first size, and
the second condition sets a maximum size of the multilevel image data as a second size smaller than the first size.

14. The method according to claim 9, wherein the first notification step is executed at start of communication with the partner apparatus.

15.   The method according to claim 9, wherein the determination step comprises determining whether the multilevel image data satisfies the second condition even when the partner apparatus instructs transmission of multilevel image data on the basis of the notification in the second notification step.

16.   The method according to claim 15, further comprising:

the history holding step of holding an execution history of the second notification step for each of a plurality of communication partners including the partner apparatus; and

the control step of controlling which of the first and second notification steps is executed on the basis of the execution history at start of communication with the partner apparatus.

17.   The method according to claim 16, wherein control step comprises executing the second notification step at start of communication with the partner apparatus when the second notification step has been executed for the partner apparatus successively a plurality of number of times.

18.   The method according to claim 7, wherein the notification step comprises notifying the partner apparatus of the first and second conditions at once.

19.   The method according to claim 18, wherein the

notification step comprises sending the first and
second conditions by an initial identification signal.

20.   A data communication apparatus capable of
receiving binary image data which satisfies a first
condition, and multilevel image data which satisfies a
second condition different from the first condition,
comprising:

notification means for notifying a partner
apparatus of the first and/or second condition as
receivable data information; and

reception means for receiving image data
transmitted from the partner apparatus on the basis of
the notification by said notification means.

21.   The apparatus according to claim 20, wherein
the multilevel image data includes color image
data, and

said notification means further notifies the
partner apparatus that color image data can be received.

22.   The apparatus according to claim 20, wherein said
notification means notifies the partner apparatus of
the first condition at start of communication with the
partner apparatus, and when the partner apparatus
instructs transmission of multilevel image data, and
the multilevel image data does not satisfy the second
condition, notifies the partner apparatus of the second
condition.

23. The apparatus according to claim 22, wherein said
notification means determines whether the multilevel
image data satisfies the second condition when the
multilevel image data is data based on the first
5   condition.

24. The apparatus according to claim 20, wherein
     the first condition sets a maximum resolution of
the binary image data as a first resolution, and
     the second condition sets a maximum resolution of
10 the multilevel image data as a second resolution lower
than the first resolution.

25. The apparatus according to claim 20, wherein
     the first condition sets a resolution of the
binary image data as either of first and second
15 resolutions, and
     the second condition sets a resolution of the
multilevel image data as the second resolution.

26. The apparatus according to claim 20, wherein
     the first condition sets a maximum size of the
20 binary image data as a first size, and
     the second condition sets a maximum size of the
multilevel image data as a second size smaller than the
first size.

27. The apparatus according to claim 22, wherein
25   said apparatus further comprises history holding
means for holding a history of sending the second

condition by said notifying means for each of a
plurality of communication partners including the
partner apparatus, and

said notification means determines which of first
and second receiving capacities the partner apparatus
is to be notified of, on the basis of the execution
history at start of communication with the partner
apparatus.

28.   The apparatus according to claim 27, wherein said
notification means sends the second condition at start
of communication with the partner apparatus when the
partner apparatus has been notified of the second
condition successively a plurality of number of times.

29.   The apparatus according to claim 20, wherein said
notification means notifies the partner apparatus of
the first and second conditions at once.

30.   The apparatus according to claim 29, wherein said
notification means sends the first and second
conditions by an initial identification signal.

31.   A control program for a data communication
apparatus capable of receiving binary image data having
a first resolution and a second resolution lower than
the first resolution, and color image data having the
second resolution, comprising:

a code of the first notification step of
notifying a partner apparatus of an image data

reception function having the first resolution and a
color image data reception function as maximum
receiving capacity;

a code of the determination step of determining
5 whether the partner apparatus instructs transmission of
color image data at the first resolution on the basis
of the notification in the first notification step; and

a code of the second notification step of
notifying the partner apparatus of an image data
10 reception function having the second resolution and the
color image data reception function as receiving
capacity when transmission of color image data at the
first resolution is determined in the determination
step to be instructed.

15 32.   A control program for a data communication
apparatus capable of receiving binary image data which
satisfies a first condition, and multilevel image data
which satisfies a second condition different from the
first condition, comprising:

20   a code of the notification step of notifying a
partner apparatus of the first and/or second condition
as receivable data information; and

a code of the reception step of receiving image
data transmitted from the partner apparatus on the
25 basis of the notification in the notification step.

33.   A recording medium which records a control

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program for a data communication apparatus capable of
receiving binary image data having a first resolution
and a second resolution lower than the first resolution,
and color image data having the second resolution, the
5   control program comprising:

        a code of the first notification step of
notifying a partner apparatus of an image data
reception function having the first resolution and a
color image data reception function as maximum
10   receiving capacity;

        a code of the determination step of determining
whether the partner apparatus instructs transmission of
color image data at the first resolution on the basis
of the notification in the first notification step; and
15   a code of the second notification step of
notifying the partner apparatus of an image data
reception function having the second resolution and the
color image data reception function as receiving
capacity when transmission of color image data at the
20   first resolution is determined in the determination
step to be instructed.

34.   A recording medium which records a control
program for a data communication apparatus capable of
receiving binary image data which satisfies a first
25   condition, and multilevel image data which satisfies a
second condition different from the first condition,

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the control program comprising:

a code of the notification step of notifying a partner apparatus of the first and/or second condition as receivable data information; and

5   a code of the reception step of receiving image data transmitted from the partner apparatus on the basis of the notification in the notification step.